

In the Claims

Claims 1-24 are pending in the instant application. Please cancel claims 16-24 as shown below in the full set of all pending claims provided here for the examiners convenience.

- B1
SUB
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CONT.
- 1 1. A command and control system for a plurality of turbogenerators,
2 comprising:
3 a plurality of individual turbogenerators, each of said plurality of individual
4 turbogenerators having a controller;
5 a command and control system bus, each of said plurality of individual
6 turbogenerator controllers operably connected to said command and control system bus;
7 a plurality of disconnect switches, a disconnect switch provided in each operable
8 connection of an individual turbogenerator controller to said command and control bus;
9 a bi-directional power meter;
10 a master controller operably associated with each of the turbogenerator controllers
11 and with said bi-directional power meter to control the individual turbogenerators in a
12 selected control mode; and
13 a junction box operably connecting an electric utility, said power meter, the output of
14 the plurality of individual turbogenerators, and a load.
- 1 2. The command and control system of claim 1, and in addition:
2 a timed relay operably associated with said command and control system bus, said
3 bi-directional power meter, and said junction box to prevent the feedback of electrical power
4 to the electric utility.
- 1 3. The command and control system of claim 1, wherein said selected control
2 mode is a utility load following mode in which utility power consumption and
3 turbogenerator power generation are compared to produce an error signal which is integrated
4 over a defined specified time to produce a power demand signal.
- 1 4. The command and control system of claim 1 wherein said selected control
2 mode is a utility base load mode in which a defined utility power signal and the power meter

3 signal are compared to produce an error signal which is integrated over a defined specified
4 time to produce a power demand signal.

1 5. The command and control system of claim 1 wherein said selected control
2 mode is a base load mode in which the power meter signal and a base load demand signal
3 are compared to produce an error signal which is integrated over a defined specified time to
4 produce a power demand signal.

1 6. The command and control system of claim 1 wherein said selected control
2 mode includes the starting, stopping and loading of each of said plurality of individual
3 turbogenerators.

1 7. The command and control system of claim 1 wherein said master controller
2 includes a sequencing and control logic system.

1 8. The command and control system of claim 7 wherein said sequencing and
2 control logic system includes a proportional-plus-integrated control to regulate power
3 demand.

1 9. The command and control system of claim 6 wherein the start sequencing is
2 based on the use time of each of said plurality of individual turbogenerators.

1 10. The command and control system of claim 9 wherein the turbogenerator with
2 the least use time is started first.

1 11. The command and control system of claim 9 wherein the turbogenerator with
2 the most use time is shut down first.

1 12. The command and control system of claim 6 wherein the starting of the
2 turbogenerators is staggered to minimize the total power draw requirements.

1 13. The command and control system of claim 6 wherein a turbogenerator is
2 automatically restarted in the event of a fault shutdown.